

ABSTRACT OF THE DISCLOSURE

A method for transmitting and receiving digital information utilizes unused parts of currently licensed communication channels for the purpose of connecting to a local loop network. Presently portions of communication channels licensed to UHF television
5 broadcasters remain unused and the present invention uses these portions to establish a high-speed local loop connection to a network. This high-speed connection may support switched, digital wireline telephone services; telemetry and high-speed data services; television, video-on-demand and DTV services; and wireless base station integration into the switched telephone network. Resulting wireless broadband local loop connections will have a lower
10 capital cost than with current conventional technologies.